ASBESTOS

Christmas 1944

EHRET'S VALLEY FORGE PACKINGS

Standardization by **EHRET** packing experts has produced a line of packings that has been held to a minimum number of items consistent with service, economy and good practice. Dealers and Distributors can materially reduce inventories and, at the same time, maintain stocks to cover a broad range of service requirements.

Details of the Ehret line of Valley Forge Packings are contained in a packing service manual. A copy will be sent to you on request.

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE - PENNSYLVANIA

"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*

Entered As Second Class Matter November 23, 1923, at the Post Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879

Volume 26 DECEMBER 1944 Number 6

CONTENTS

	Page
Christmas Slogan	2
Reviewing 1944	3
Canada — Report for 1942	8
Chile's Asbestos Deposits	10
Asbestos Covered Power Cables — Service Tale	12
Market Conditions	18
Contractors and Distributors Page	
Building	26
Suggestion	26
Area Table — 150 lb. Series (V. Only)	27
Production Statistics	28
Motorcote	29
Hog House Outlet	29
Subscription from France	29
NEWS OF THE INDUSTRY	30
Patents	34
This and That	37
Current Range of Price	38
Asbestos Stock Quotations	38
Topical Index	39

SUBSCRIPTION PRICE

UNITED STATES	$2.00 PER YEAR
CANADA	3.00 " "
FOREIGN COUNTRIES	3.00 " "
SINGLE COPIES	.25 EACH

(Payable in U. S. Funds)

Copyright 1944, Maud M. Stover, Executrix, Estate of C. J. Stover

CHRISTMAS SLOGAN

Are we any nearer this year to the Christmas goal of "On Earth Peace, Goodwill to Men" than we were last year at this time?

Altho a whole year later apparently the goal is as far off as ever, and it seems that only by much bloodshed in practically every corner of the world, can peace be had.

Surely that was not the way it was intended to be. Can there not be devised in future some way in which the world can have peace without the shedding of blood? Could not the rulers all over the world assert their power just as strongly by securing the peace as they have and are at present by wielding the sword?

It's the mad scramble for power and more power, that results in war. For this the heads of all nations and their followers are to blame. Only when the rulers all over the world can be made to see that they would gain more prestige, more power, by making and keeping the peace, will the Christmas ideal be attained.

Why must the youth of each generation die in order to preserve the peace? We in North America can well ask this question, when we have lived in peace with each other for so many years and expect to keep peaceful relations on this portion of the earth for many years to come. We settle our differences without resort to war; we live without guards at our borders. What is there in this new world which makes it so different in this respect from the old one? The secret lies here—we should try to discover it.

Our part is to promote in every way possible the idea of peace without the sword! But we fear that just so long as the world is governed by human beings, just so long will war continue to disrupt the world from time to time.

It is ironic that our slogan for Christmas must be: "Peace on earth, goodwill to men—next year?"

REVIEWING 1944

It is well, we believe, to pause for a few moments, and review briefly the events in the Asbestos Industry during the past year.

Never has there been a year in which the Industry lost, by death, so many outstanding executives, men who had been connected with the Industry for many years and who, in many cases, had had a hand in formulating its policies. Our chief, the owner of "ASBESTOS", and its founder and inspiration, passed away on May 2nd. And only 29 days later, George F. Stone, Deputy Director of the Cork, Asbestos & Fibrous Glass Division of the War Production Board, died after a short illness.

Other well known men in the Industry whose deaths occurred during the year were William L. Cremers, Philadelphia District Manager of the Philip Carey Mfg. Company; Alexander M. McCammon, Secretary-Treasurer of Johnson's Company, Thetford Mines; L. C. Rugen, Vice President in charge of manufacturing and a Director of The Ruberoid Company; H. Edward Manville, former Chairman of the Board of Johns-Manville Corporation; Dr. Walter A. Jessup, Director, Johns-Manville Corporation; and S. R. Zimmerman, Vice President, Raybestos-Manhattan, Inc. In all we recorded 13 deaths during the year.

Probably the most outstanding event during the year was the purchase by Greene, Tweed & Co. of the Asbestos Fibre Spinning Company of North Wales, Pa. The Cape Asbestos Company (England) increased its capital; the United States Rubber Company doubled in size its Hogansville, Ga., plant for the manufacture of Asbeston.

A great many promotions and changes in personnel were also recorded in this year 1944. Too many to list but take a glance thru your back issues and you will find that "ASBESTOS" has mentioned in its news section almost every month in the year, promotions or changes of some sort or other, many of them most important not

only to the firms immediately concerned, but also to the Industry as a whole. In some cases the promotions were made necessary by the death of some official; in others they were made in a planned effort to have sales and advertising organizations ready for hard work in the post-war period.

Very little advertising literature was issued by asbestos firms this year, and most of that published (outside of public relations material) was aimed at the farmer—natural, of course, especially in the building material divisions as, outside of the U. S. Government, the farmer was the best prospect. The "Build It with Asbestos" booklet published by the manufacturers of Asbestos Cement Products, is an outstanding example.

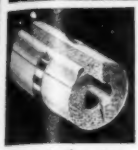
"ASBESTOS" issued one reprint "Tests for Cotton Content" and another "Asbestos Mining Methods" is in course of preparation. The Asbestos Industry is eager for printed matter giving factual information on asbestos products or processes, and our plan is to have a number of pamphlets on various phases of the Asbestos Industry, all of fairly permanent (rather than current) nature. The first of these was The Asbestos Factbook, the 2nd edition of which was published last year, and of which about 4500 copies have been distributed.

A number of the asbestos firms received merit awards of various kinds during the year—"E" flags from the Army and Navy for excellent performance in war production, and extra stars added to flags which had been previously awarded. One firm, Raybestos-Manhattan, Inc., received a Direct Mail Advertising Award for its employee-serviceman house organ. The Firing Line.

The most important new product this year was the asbestos and glass fabric, now being used to a large extent in place of straight asbestos cloth for the covering of insulation in ships and other places. This cloth we understand is composed of 72% asbestos fibre, 22% glass fibre and 6% cotton.

Other new products during the year were Insidline,

Carey HEAT INSULATIONS



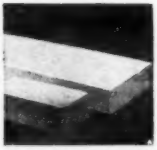
Careytol—For temperatures up to 300° F.

ASBESTOS · MAGNESIA

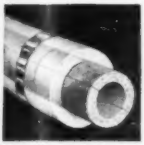
The CAREY Line includes high efficiency insulating materials of Asbestos and Magnesia for every known service condition—for temperatures ranging from

SUB-ZERO to 2500° F.

85% Magnesia—For High & Med. Pressure.



Hi-Temp Blocks—For Furnaces, Ovens, Kilns, etc.



Combination Hi-Temp.—85% Magnesia.

Hair Felt Insulation For sub-zero.

In addition to the insulations shown, Carey makes other Asbestos Specialties —as Plastic and Dry Refractory Cements, Asbestos Paper, Asbestos Millboard, Asbestos Packings, Asbestos Cements, Flat and Corrugated Sheathing, Careystone Asbestos-Cement Shingles and Siding, Asbestos Fibre.

Wholesalers and Applicators of Insulation Materials — write for details and prices.

CAREYDUCT—

the all-asbestos duct for conveying conditioned air. Combines duct and insulation. Fireproof, sound-deadening, permanent, economical, quickly erected.

INSULATED AND ACOUSTICAL TYPE—

Made of Asbestos Fibre—combines both duct and insulation. Simple slip-joint construction and standardized parts provide easy and rapid fitting on job.

THE PHILIP CAREY MFG. COMPANY • Lockland, Cincinnati, Ohio
Dependable Products Since 1873
IN CANADA: THE PHILIP CAREY COMPANY, LTD., Office and Factory: LENNOXVILLE, P. Q.

an internally insulated pipe (see page 18 of March 1944 "ASBESTOS"); Uniseal, a plastic sealing compound (page 37, April); the 1492 Brake Block (page 12, October); and Inconel Packing (page 14, November).

Many new uses for asbestos products were mentioned thruout the year, one especially odd one being the using of Corrugated Asbestos-Cement Board for light directional surfacing.

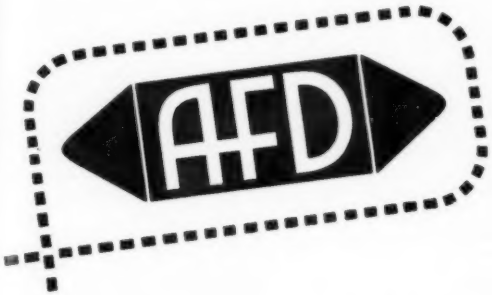
Statistics—some satistical figures were released this year and it is quite possible that during 1945 our readers will be able to add most of the statistics on asbestos production in the war years to their previously kept records.

The most interesting story published in "ASBESTOS" during the year was, we believe, the one which appeared in our January number "How Long will an Asbestos-Cement Roof Last?" A South American firm asked permission to reprint it. Other articles favorably commented upon were "Piping Maintenance" by Fred D. Mosher, in our June number, "Insulation Inspection" in July; "Asbestos Mining Methods" by C. V. Smith, which ran in three issues—September, October and November—is certain to be consulted frequently after its distribution in reprint form.

Sixty-two patents, related in some way to asbestos products, were granted this year, which seems to be about the usual number.

We hope the tables published have been helpful. These consist of the "Dollars Cost of Uninsulated Pipe" chart, of which reprint is available, and seven of the series of twelve tables for estimating areas of flanges, etc.; the other five will be published in 1945.

An average of one special inquiry a month was received this year, and they ranged all the way from where to purchase a Canadian Testing Machine to the future possibilities of Arizona Asbestos. One of the most frequent inquiries is as to the kind of machinery required and where it can be obtained, for the making of this, that or the other asbestos product. Such inquiries are



Asbestos Fibre Distributors

Through the untiring efforts of the research scientists, there are now a thousand and one uses for the rare properties with which nature has endowed her magic mineral . . . asbestos. Supplying the proper asbestos fibre for every specific use has long been the specialty of Asbestos Fibre Distributors. If you would like samples, prices or further information, address:

ASBESTOS FIBRE DISTRIBUTORS

Division of Johns-Manville Sales Corp.

22 EAST 40th ST. NEW YORK, N. Y.

impossible to answer satisfactorily. Inquirers do not seem to realize that in most cases it takes a qualified engineer to list the various machines needed and that many of them must be especially made to specifications.

All in all this has been a busy, productive year. While most of the products manufactured were used in war work, members of the Industry found time to give some thought to future activities and to make plans for the disposition of their products after the war is over. "ASBESTOS" expects to go right on dispensing useful information—that's our part, and, judging by comments received, our readers appreciate our efforts.

CANADA - Report for 1942

The Annual Report on the Mineral Production of Canada for the year 1942 and comparing with 1941, has just been published by the Dominion Bureau of Statistics.

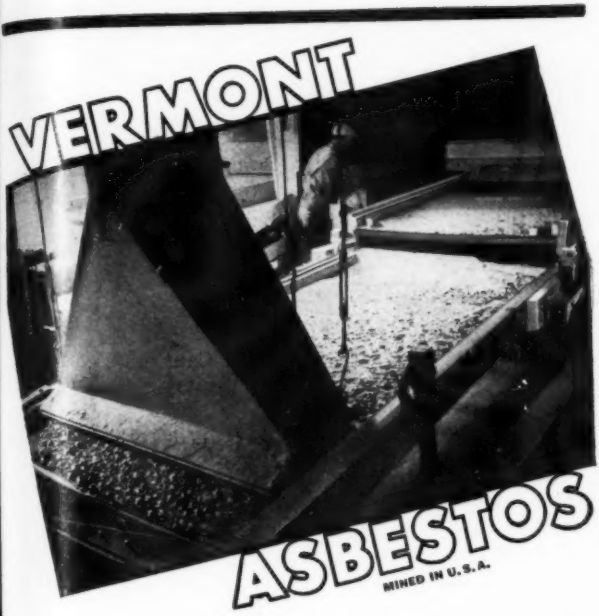
This report[1] contains summaries of production statistics on asbestos for those years, by quantities and value and gives data on number of employees in the Asbestos Mining companies, salaries and wages. Most of this information has already been published in "ASBESTOS" from preliminary reports. (See Production Statistics pages, October and November issues). In this issue we give (on page 28) production by grades, and ore mined and milled.

The report also covers the Canadian Asbestos Goods Industry (covered in our March 1944 issue, page 25).

Another interesting feature is the tabulation of production of asbestos in the Province of Quebec from its very beginning (1880) to 1942 inclusive.

A similar tabulation for the Province of Ontario will be found on page 28 of this issue.

[1] The report covers all minerals produced in any quantity in Canada.



Clean, well fiberized asbestos particularly well suited for the manufacture of the better types of

BRAKE LINING • CLUTCH FACING • ROOFING PAINTS
SHINGLES • PLASTIC CEMENT • INSULATING CEMENT
MOLDED PLASTICS • ASBESTOS PAPER • MILLBOARD

Samples and Prices upon application

VERMONT ASBESTOS MINES
Division of The RUBEROID Co.
HYDE PARK, VERMONT
SALES OFFICE, 500 FIFTH AVENUE, NEW YORK CITY • MINE, EDEN, VT.

CHILE'S ASBESTOS DEPOSITS

Editor's note: In the October 1944 issue of Engineering and Mining Journal[1], an article by Fernando Benitez, Mining Engineer, of Santiago Chile, was published under the title "Non-Metallic Minerals in Chile Await Development". The article contains the following information on Asbestos:

There are several deposits of asbestos in Chile, but the amount of development work done has been very slight. One deposit is that of Hualane, in Curico Province about 10 miles from the coast. Asbestos of average quality occurs in fairly large, elastic, white fibres having the following composition:

SiO_2, 56.7; MgO, 18.7; Fe_2O_3, 1.8; Al_2O_3, 1.7; CaO, 12.4; H_2O, 3.3.

At Gorbea and Lastarria, in Cautin Province, asbestos is found in a series of deposits within micaceous slate, a rock which is common in the Coast Range of Chile. This slate has been intruded by a peridotite which is composed of very fine, needle-like crystals of olivine, pyroxene, and amphibole. The asbestos is found in veins which vary from a few millimetres up to 1.5 ft. in thickness and which cross the mother rock in all directions and with all kinds of dips. These deposits have been prospected only to a slight extent. The average composition of this asbestos is:

SiO_2, 56.4; CaO, 12.3; MgO, 20.8; Al_2O_3, 2.2; H_2O, 3.4.

At Morro Bonifacio, situated 9 miles north of the port of Corral in Valdivia Province, asbestos is found inside large serpentine areas which in turn are enclosed within slates. The asbestos itself is found in narrow veins which cut the serpentine in all directions. Its color varies from yellowish-white to greenish-white, and the 3 in. fibres are silky to the touch. Altho the deposit has not been properly developed it is said to contain more than 150,000 tons of positive ore and the probable and possible reserves may reach several million tons. Its chemical composition is;

SiO_2, 40.0; FeO, 0.21; Fe_2O_3, trace; Al_2O_3, 3.8; CaO, 3.8; MgO, 43.1; Na_2O, 0.15; loss on ignition, 12.8.

[1] Published at 330 W. 42nd St., New York City.

Manufacturers of a complete line

ASBESTOS-CEMENT SHINGLES	ASBESTOS-CEMENT SIDING
ASBESTOS-CEMENT WALLBOARDS	ASBESTOS MARINE INSULATIONS
ASBESTOS ELECTRICAL MATERIALS	ASBESTOS-CEMENT PIPE
ASBESTOS AND MAGNESIA PIPE AND BLOCK INSULATION	ASBESTOS PAPER & MILLBOARD
	ASBESTOS TEXTILES
ASBESTOS PACKINGS	ASBESTOS LUMBER
ASBESTOS CORRUGATED	ASBESTOS ACOUSTICAL MATERIAL

Today, all of these K&M products are playing an important role in the War Program; contributing in many different ways to its ultimate success. For the duration, the Nation will continue to have first call on all K&M plants and employees.

Nature made asbestos. Keasbey & Mattison has made it serve mankind . . . since 1873.

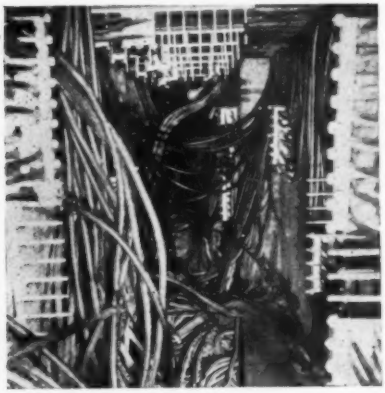
KEASBEY & MATTISON
COMPANY, AMBLER, PENNA.

ASBESTOS COVERED POWER CABLES GUARD AGAINST FIRE

Electric power cables are generally grouped together when they enter or leave a switchboard, or are run in ducts for some distance before they branch off at junction boxes to various destinations.

Electricity is often unpredictable in its action, but can be depended upon to form an arc and short circuit if a cable covering becomes worn and the enclosed wires are exposed and come in contact with some other electrical conductor, or if moisture enters the cable thru the worn part. The arc melts the lead covering and the resulting fire quickly destroys a part of the cable group, which may contain a large number of separate cables.

Short circuits which follow the damage to the cable covering are frequently the cause of fires, which, in some



A tangle of unprotected power cables covered with combustible material.

Photo courtesy Associated Factory Mutual Fire Insurance Cos.

cases are serious and cause considerable financial loss. The loss may be the result of destruction of the cable for some distance by the arc, damage to the switchboard, or damage to the plant where the power is used and also because of interruption of plant operations. In some cases these interruptions have lasted several days.

UNION ASBESTOS
MEANS PROGRESS IN INSULATION
AND RUBBER CO.

INSULATION
FOR MARINE, RAILROAD,
AVIATION AND INDUSTRIAL USE

☆

TWO ARMY-NAVY "E" AWARDS FOR EXCELLENCE IN WAR PRODUCTION
ONE TO THE CICERO, ILLINOIS PLANT; ONE TO THE PATERSON, N. J. PLANT

UNION ASBESTOS & RUBBER COMPANY

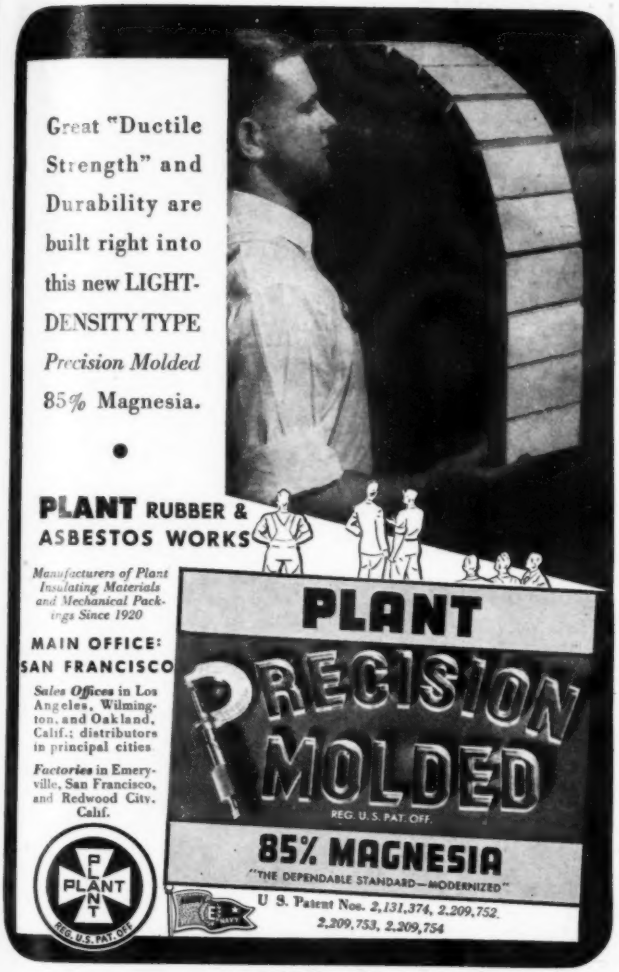
Offices: CHICAGO, NEW YORK, SAN FRANCISCO • Plants: CICERO, ILL., BLUE ISLAND, ILL., PATERSON, N. J.

In one instance, cited by the Factory Mutual Record, published by Associated Factory Mutual Fire Insurance Companies, fire caused by an arc involved some forty cables in a trench back of the switchboard and destroyed all the cables at that point, badly damaging the switchboard at the same time. Loss directly from the fire was placed at $4,000 but there was an additional loss on use and occupancy for the period when the cables were out of service.

Another case involved two contiguous plants, supplied with power by twelve cables, all of which passed thru a single junction box. While only one cable arced, the fire quickly spread to the other eleven burning out the cables so that they all had to be repaired. Both plants were shut down completely for a half day and only partial operation was possible for another day and a quarter. Total damage here, for fire, plus use and occupancy, amounted to $12,000 and that figure did not include the loss in wages to the employees while the cables were out of commission. One can readily imagine the huge loss if one of the big war plants had such an occurrence.

These instances occurred at plants which did not have approved flame-proofing for their power lines. A method recommended and approved by the insurance companies is to wrap each cable with two-inch asbestos tape, applied with a fifty per cent overlap. The asbestos tape is then thoroly saturated with a thin solution of silicate of soda, of a specific gravity of 1.15. For cables up to No. 0, a tape 1/16 in. in thickness is recommended, and for larger sizes 1/8 in. thickness. Asbestos outer coverings should not extend all the way to bare live terminals at the end of the wire, but should stop about 3 in. from the bare parts to prevent leakage of current over the outer covering.

While it is not expected that the asbestos tape covering will prevent arcing, and it is possible that some slight fire might occur at the arc, the asbestos covering on adjoining cables will prevent the fire from spreading to them, and so interruption of service will be confined to the circuit on which the trouble originated. The fire cannot travel along the outside of the damaged cable because the asbestos covering is fire resistant.


Great "Ductile Strength" and Durability are built right into this new LIGHT-DENSITY TYPE *Precision Molded* 85% Magnesia.
PLANT RUBBER & ASBESTOS WORKS
Manufacturers of Plant Insulating Materials and Mechanical Packings Since 1920
MAIN OFFICE: SAN FRANCISCO
Sales Offices in Los Angeles, Wilmington, and Oakland, Calif.; distributors in principal cities
Factories in Emeryville, San Francisco, and Redwood City, Calif.
PLANT
PRECISION MOLDED
REG. U. S. PAT. OFF.
85% MAGNESIA
"THE DEPENDABLE STANDARD—MODERNIZED"
U. S. Patent Nos. 2,131,374, 2,209,752, 2,209,753, 2,209,754
PLANT
REG. U.S. PAT. OFF.

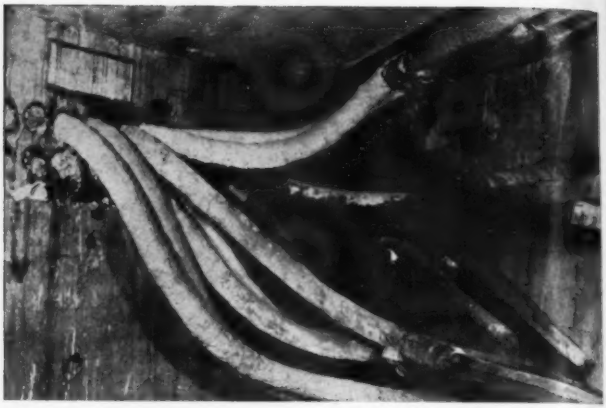


Photo courtesy Associated Factory Mutual Fire Insurance Co.

Cables wrapped with asbestos as recommended

A year or more ago a shutdown of an important war plant at Green Island, N. Y., was prevented by wrapping a group of lead sheathed cables with asbestos tape and silicate of soda. The cables were over twenty years old and the insulation on one of them was worn, finally breaking down at a point in a manhole where it was supported by an iron bracket. The arc resulting when the bare conductor came in contact with the bracket opened a circuit breaker in a nearby powerhouse. This was closed by the operator, but it immediately kicked out again. This started the operator on a hunt for the trouble which he located in the manhole before the damage became serious and it was quickly repaired. The asbestos covering had prevented a fire that would have probably burned out all the cables and caused a shutdown of the plant.

POSITION WANTED

As estimator, salesman and/or construction manager of piping insulation. Well qualified and experienced. Mid-west, south or west preferred. Address Box 12L-E, "ASBESTOS", 17th Floor, Inquirer Building, Phila., 30, Pa.

ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

REPRESENTATIVES

GREAT BRITAIN: ..... W. A. JANITCH,
6 Maresfield Gardens, London, N. W. 3

U. S. A.:

BALTIMORE, MD.: ..... WALLACE & GALE CO.,
115 South Gay St.

CLEVELAND, OHIO: ..... WORLD'S PRODUCTS TRADING CO.,
Rockefeller Bldg.

CHICAGO, ILL.: ..... ALBERT E. STARKIE CO.,
5461 W. Division St., Chicago, Ill.,

NEW YORK, N. Y.: ..... WHITTAKER, CLARK & DANIELS, INC.,
260 West Broadway

SAN FRANCISCO, CAL.: .... L. H. BUTCHER CO.,
15th and Vermont Sts.

CANADA:

MONTREAL, QUE.: ..... ATLAS ASBESTOS CO., LTD.
110 McGill St.

TORONTO, ONT.: ..... CANADIAN ASBESTOS ONTARIO LTD.
14 Front St.

MARKET CONDITIONS

GENERAL BUSINESS

Business in general is being delayed somewhat in its postwar planning because the winning of the war in Germany is taking longer than expected. This means that more material will be required for the war, and the Army, Navy and War Production Board are easing up on their cutbacks in certain lines, or asking for more production in others. Naturally this means that production for civilians may not go ahead as fast as has been contemplated.

While this is somewhat of a disappointment to business firms on the verge of reconversion or devoting part of their present production to articles for the home front, it renews everyone's determination to step up war production and end the war as soon as possible.

The prolongation of the war, however, has complicated the labor situation, which was difficult enough already. Many workers in strictly war jobs have sought and obtained jobs which will continue after the war is over, the movement being noticeable not only in skilled and unskilled labor but in clerical positions and even in executive personnel. On the whole business firms have had added to an already burdened life, a lot of new problems.

ASBESTOS - RAW MATERIAL

The demand in the United States for Crudes and Fibre is falling off because the production for the Navy Program for the first quarter of 1945 has been reduced. Stocks in the United States average over three months' supply at the present time.

The demand for Shingle Fibre is constantly improving and there is every reason to believe that it will greatly increase. The demand for Amosite fibre has eased off very greatly.

Prices for the first quarter of 1945 for Canadian fibres in the United States will be the same as for the year 1944.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. Heavy demand still exists in this market except for Navy cable. Requirements have

JOHNSON'S COMPANY

ESTABLISHED IN 1895

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec

Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

AGENTS

GREAT BRITAIN	A. A. BRAZIER & CO. 203 Winchmore Hill Road London, N. 21, England
CHICAGO 4, ILL.	GRANT WILSON, INC. 141 West Jackson Boulevard
NEW YORK, N. Y.	CONNELL ASBESTOS MFG. CO. 165 Clymer Street Brooklyn, N. Y.
SAN FRANCISCO, CALIF.	LIPPINCOTT CO., INC. 461 Market Street

SOLDIERS WI

Brave men, faithful beasts, start precious raw Asbes its jo

No bugles summon them to action. No glamour attends their grim parade. Yet these soldiers of production match the deeds of men in uniform, fighting their unsung battles in remote parts of the world. Beset by dust and burning heat, along treacherous mountain roads, brave bullock convoys haul the newly-mined Asbestos from the deep heart of South Africa to the nearest railheads. Thence by rail to the sea . . . then by boat through war-whipped seas where

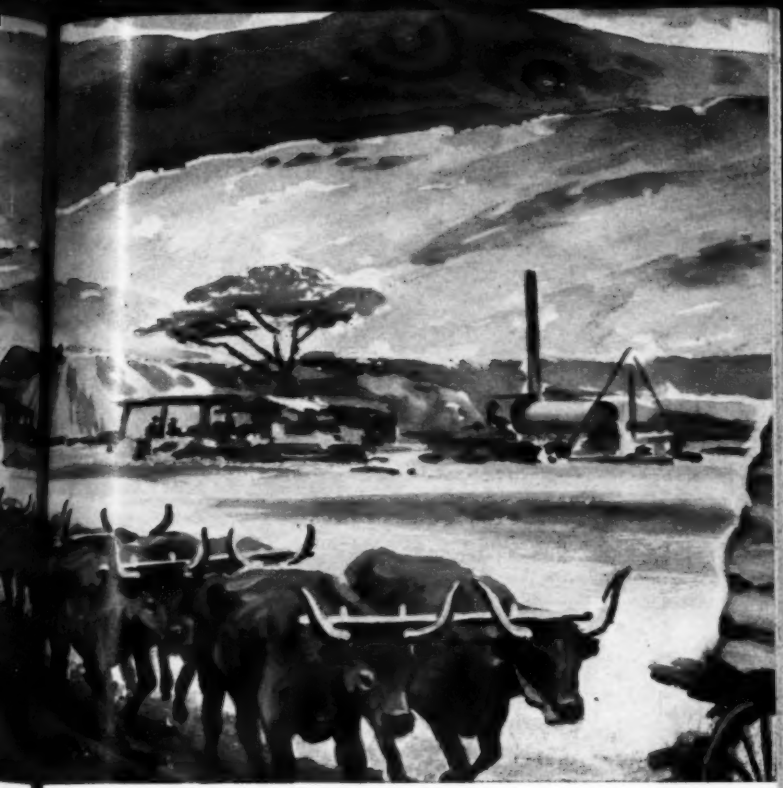
TRADE MARKED

ASBESTOS TE

8 WEST 40th STREET, NEW YORK, N. Y. . . JOHANNESBU UTH

EVERY TYPE OF RAW ASBESTOS CARRIED IN STOCK: ARIZONA • AUSTRALIAN • BOLIVIAN • CANA CHINESE

Manufacturers of *Asbestos Cement Board and Cyprus Asbestos Siding* . . . Creators and mann



VI T UNIFORMS

bes its journey to America — for industry, for Victory

a ruthless enemy waits to pounce without warning . . . but by skillful generalship and battle-schedule timing it reaches American ports. A dangerous journey, but one regularly accomplished to bring every quality and type of Asbestos to American industry, and Victory and freedom for the world.

★ ★ ★

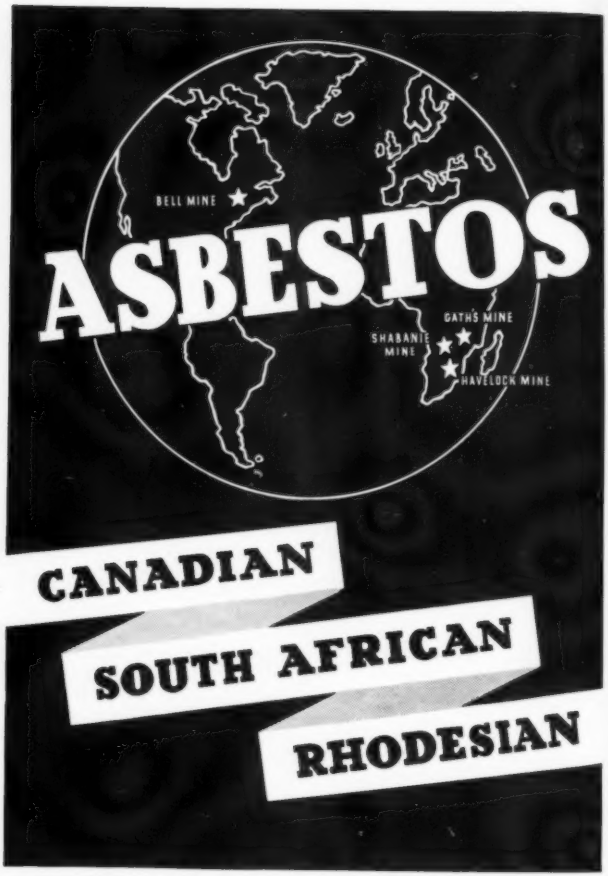
Have you any questions about raw Asbestos? We will be pleased to answer them promptly.

S TED INC.

SBU TH AFRICA . . . WORKS: MILLINGTON, NEW JERSEY

CANA DHINESE • CYPRUS • INDIAN • RHODESIAN • RUSSIAN • SOUTH AFRICAN BLUE AND YELLOW

and manufacturers of *New Era Insulation*, lightest rigid insulation for all temperatures



RAW ASBESTOS DISTRIBUTORS

LIMITED

SPOTLAND · ROCHDALE · LANCS ENGLAND

been cut for December delivery and more drastically for the first quarter of 1945.

The cutback on roving will not materially increase availability of yarn and further processed textiles, because of lack of manpower.

Asbestos Brake Lining. The years 1943 and 1944 have shown the largest sales on record in the Asbestos Brake Lining Industry. The market on this material is expected to hold up very well for at least the first two postwar years. Then it is likely to recede to a position ten to fifteen per cent above pre-war years.

October sales increased slightly over the same month last year but there was a decrease from September. For the year to date, there is an increase over the corresponding period of 1943.

Sales for domestic consumption during October were higher than those for any other October during the past ten years and the same holds true when the first ten months of this year are compared with the same period in any year of the previous decade.

Export sales showed a considerable increase over last October but a small increase in volume over September. However, the total so far this year is considerably higher than that for 1943.

Asbestos Paper and Millboard. Demand is slacking up a bit in these markets; prices are firm and the outlook described as "normal", which probably means the pre-war level.

Insulation. High Pressure. This market is described as steady—at least one manufacturer has a heavy backlog of orders, with no indication of a change in this condition for some time.

After the war there will undoubtedly be a slight recession in demand for a short while, but a fast return to better than normal operation is predicted.

Insulation. Low Pressure. Market is described variously as "declining", "steady", and "slightly increas-

ing". Apparently you can take your pick. Prices are firm

Asbestos-Cement Products. The demand for asbestos sidings and roof shingles continues in excess of production, altho there has been some easing off in the call for wallboards. Generally speaking, however, all asbestos-cement products, including shingles, sidings, corrugated and flat sheets, are oversold and will undoubtedly continue this way as long as the war lasts.

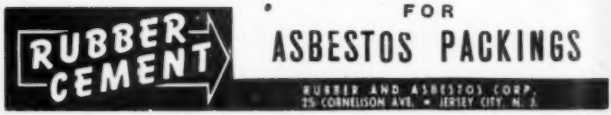
It is believed that post-war business will show a slow pickup, growing stronger within the second and third years, or whenever better grade houses are possible to build.

So far as asbestos-cement pipes are concerned, the present market condition in that commodity reflects the curtailment of industrial expansion and the, as yet, not-started post-war activities. The outlook in the market for asbestos-cement pipes after the war is dependent on a variety of factors, of which the time of ending of hostilities in Europe and the Far East, the rate of return of soldiers and war workers and the rapidity of absorption of these men into industry, are only a few.

These comments are a compilation of those received from a number of executives, key men who know their markets. All comments on the market situation in asbestos products are welcome.

• • • —

The backlog of construction projects awaiting the relaxation of government controls and the availability of man power and building materials exceeds 10½ billion dollars, according to the F. W. Dodge Corporation. This included a total of $1,032,066,000 for residential building, including apartment houses, dormitories and hotels.



TO OUR

CUSTOMERS AND FRIENDS

WE EXTEND

Our Best Wishes

FOR

The Peace and Joy

OF

The Holiday Season

NORRISTOWN MAGNESIA & ASBESTOS CO.

NORRISTOWN PENNSYLVANIA

CONTRACTORS AND DISTRIBUTORS PAGE

BUILDING

New Construction activity in the United States during October, 1944, totaled $308,000,000. This volume was six per cent under the September, 1944, level and 40 per cent below the volume of October a year ago.

Continuation of construction controls and seasonal factors are expected to restrict the volume of work put in place during the remaining two months of the year, resulting in an estimated $3,700,000,000 volume for the year 1944—less than half the construction volume of 1943. This estimate excludes repair activity.

Privately-financed construction activity during October totaled $121,000,000, a seven per cent decline from the previous month and 12 per cent under the October 1943 activity. In this category, residential work accounted for $39,000,000; industrial —$14,000,000; utilities—$40,000,000; farm—$15,000,000; and community buildings (commercial, hospitals, social and recreational, etc.)—$13,000,000. This privately-financed work as a whole is expected to decline seasonally in November by 12 per cent.

Work financed by public funds in October amounted to $187,000,000, a six per cent over-the-month decline and 50 per cent under the $377,000,000 volume of October a year ago. Military construction totaled $57,000,000 in October; Government-financed plant construction—$55,000,000; Government-financed housing—$8,000,000; and all other nonindustrial construction (community buildings, highways, sewer and water, conservation, etc.)—$67,000,000. Activity in publicly-financed types as a whole is expected to decline 18 per cent in November.

SUGGESTION

The following suggestion made in the July issue of Southern Power and Industry sounds practical and may be of interest to insulation contractors:

When attempting to give the bottom and vertical sides of a steel vessel for holding steam, a covering of asbestos-cement insulation, trouble may be had in applying the material, because of its tendency to fall off thru lack of adhesion.

To avoid this, first apply a coat of silicate of soda, or "water glass", and then before the liquid has dried throw handfuls of short asbestos fibre against the surface. Sufficient dry asbestos will stick to the silicate to anchor a layer of asbestos cement which may then be troweled on.

AREAS OF BODIES FOR VALVES, TEES and ELLS

150 LB. SERIES (V. ONLY)

Pipe Size	Metal Area	1" *	1½" *	2" *	2½" *	3" *	3½" *	4" *	Length of Body
½"	.09	.22	.35	.48	.61	.73	.86	.99	4 7/8"
¾"	.12	.25	.38	.51	.64	.77	.90	1.03	4 7/8"
1"	.15	.29	.42	.55	.68	.81	.95	1.08	5"
1¼"	.19	.33	.46	.59	.72	.85	.97	1.12	5 1/4"
1½"	.23	.38	.52	.66	.80	.94	1.09	1.23	5 3/8"
2"	.29	.55	.68	.81	.94	1.06	1.19	1.32	5 3/4"
2½"	.39	.66	.80	.93	1.07	1.20	1.34	1.47	6 1/8"
3"	.49	.78	.93	1.07	1.22	1.36	1.51	1.65	6 1/2"
3½"	.60	.87	1.03	1.18	1.34	1.49	1.65	1.80	6 3/4"
4"	.71	1.02	1.18	1.34	1.50	1.65	1.81	1.97	7 1/8"
5"	.95	1.28	1.46	1.63	1.80	1.97	2.15	2.32	7 3/4"
6"	1.23	1.60	1.80	1.99	2.18	2.37	2.57	2.76	8 1/2"
8"	1.79	2.20	2.42	2.64	2.86	3.07	3.29	3.51	9 1/2"
10"	2.47	2.93	3.17	3.40	3.63	3.86	4.10	4.33	10 1/2"
12"	3.21	3.65	3.92	4.18	4.45	4.71	4.98	5.24	11 1/2"
14"	3.79	4.32	4.60	4.87	5.14	5.41	5.69	5.96	12 3/8"
16"	4.60	5.17	5.46	5.74	6.02	6.30	6.59	6.87	13 1/8"
18"	5.46	6.06	6.37	6.68	6.99	7.29	7.60	7.91	13 7/8"
20"	6.40	7.02	7.34	7.66	7.98	8.30	8.64	8.96	14 5/8"
24"	8.53	9.23	9.59	9.94	10.30	10.65	11.01	11.46	16 1/4"

*Denotes sq. ft. area at thickness shown from metal. Use metal for first layer of blocks. Use standard tables for 150 lb. ells and tees.

Seventh in the series of Area Tables compiled by Elbert R. Sitton.

Canada

From Dept. of Mines, Province of Quebec.

	1944	1943
September	37,959 tons	38,968 tons

SALES AND SHIPMENTS BY GRADES[1]

	1942		1941	
	Tons	Value	Tons	Value
Crudes	2,889	$ 1,233,184	2,846	$ 980,217
Fibres	199,829	15,339,128	223,767	14,812,871
Shorts	236,741	6,090,971	251,233	5,675,752
Total	439,459	$22,663,283	477,846	$21,468,840
Sand, gravel and stone (waste rock)	8,090	7,925	8,454	6,805

ROCK MINED AND MILLED[1]

	1942	1941
Rock Mined	8,233,516 tons	7,707,367 tons
Rock Milled	6,795,459 tons	6,366,670 tons

PRODUCTION IN ONTARIO—HISTORICAL SUMMARY[1]

Years	Ton	Value
1917	10	$ 2,150
1923	6	2,600
1924	172	91,900
1925	2	901
1926	14	3,935
1937	1	250
1939	18	720
Total	223	102,456

All tons Short (2000 lbs.)

[1]From Report on Mineral Products of Canada (See page 8)

Africa (Union of South)

Total production in Union of South Africa in the year (1942) divided as to varieties:

Amosite	23,529 short tons	valued at £503,040
Blue	6,791 short tons	valued at £215,427
Chrysotile	1,733 short tons	valued at £ 36,079
Total	32,053	£755,046

MOTORCOTE

An interesting product which contains some asbestos fibre, but, to quote the manufacturers, "not enough to classify it as an asbestos insulation", is *Motorcote,* made by J. W. Mortell Co., of Kankakee, Ill.

Motorcote is really a plastic cork coating, and is designed to insulate oil pans and crank cases on automobiles. Claims made for it are that it keeps oil flowing freely, cuts warm-up time, practically eliminates water condensation and crankcase dilution and protects motors against excessive sludge formation.

It was first used on motors of mobile space heaters in Alaska which must operate in temperatures as low as 60° below zero, and are needed to warm up airplane motors before starting.

HOG HOUSE OUTLET

Out in the West they have ideas! A poet farmer in Iowa wished to build a playhouse for his little girl, but found it impossible to purchase the necessary materials.

"So we ordered a hog house, made of a *stout asbestos board,* had the roof lifted, put in a screen door and four windows, and had a playhouse," writes the father to the Ladies Home Journal, which prints his poetry.

The story is taken from the December number of that popular magazine, page 13. Perhaps a nice potential market for asbestos-cement hog houses, or even brooder houses, is indicated.

SUBSCRIPTION FROM FRANCE

Our first subscription from the liberated countries (in this case France) arrived during November. At present no magazines can be sent direct to people or firms in France, but an officer in the American Armed Forces was kind enough to enter the subscription, the copies to be sent to him and he in turn would deliver them to the asbestos firm interested, which, by the way, manufactures asbestos brake lining and perhaps other asbestos textiles.

NEWS OF THE INDUSTRY

BIRTHDAYS

J. H. Brown, President, G. A. MacArthur Co., St. Paul, Minn., December 19.

W. E. Harvey, Asst. Treas., Thermoid Co., Trenton, N. J., December 19.

W. C. Gilbertson, Secretary, Southern Friction Materials Co., Charlotte, N. C., December 20.

Harry C. Redstone, Secretary, Asbestos Distributors, Inc., Port Chester, N. Y., December 20.

John P. DuBois, Vice President and General Sales Manager, Ehret Magnesia Mfg. Company, December 20.

L. E. Whitaker, Vice President in charge of manufacturing, Philip Carey Mfg. Company, Lockland, Cincinnati, Ohio, December 21.

George N. Clark, Clark Asbestos Co., Cleveland, Ohio, December 22,

R. L. Clark, Manager, Clark Asbestos Co., Cleveland, Ohio, December 22.

Wm. Nanfeldt, Chief Engineering & Factory Manager, World Bestos Corp., Paterson, N. J., December 22.

Jacob P. Epstein, President, Empire Asbestos Products, Inc., Glendale, L. I., December 25.

A. P. Smith, Secretary, Russell Mfg. Company, Middletown, Conn., December 25.

W. H. Truesdell, Chairman, Carolina Asbestos Co., Davidson, N. C., December 26.

Matthew J. Fitzgerald, President, Standard Asbestos Mfg. Co., Chicago, Ill., December 27.

A. G. Newton, President, Rockbestos Products Corp., New Haven, Conn., December 28.

E. E. Tanguy, District Manager, Armstrong Cork Co., Baltimore, Md., December 28.

Fred A. Mett, President, Powhatan Mining Corp., Woodlawn, Baltimore, Md., December 29.

William L. Keady, President, U. S. Gypsum Co., Chicago, Ill., January 5.

Alex Rumpler, Builders Specialties Co., Pawtucket, R. I., January 5.

C. E. Harwood, Sales Manager, Russell Mfg. Co., Middletown, Conn., January 5.

L. A. King, Manager, Tulsa Branch, Kelley Asbestos Products Co., Tulsa, Okla., January 8.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. Limited

Morley House, 28-30 Holborn Viaduct, London, E.C.I.
FACTORY, BARKING, ESSEX

United States Sales Agent:
ARNOLD W. KOEHLER
415 LEXINGTON AVE. **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

R. H. Chase, Vice President and General Manager, Plant Rubber & Asbestos Works, San Francisco, Calif., January 11.

John J. Liner, Vice President, Philadelphia Asbestos Co., Philadelphia, Pa., January 13.

Thomas Murray, Manager, Roofing Department, A. H. Bennett Co., Minneapolis, Minn., January 14.

J. H. Nankervis, Vice President, Magnesia-Asbestos Insulation Co., New York, N. Y., January 16.

A. F. Matheis, Asst. Vice President, Thermoid Co., Trenton, N. J., January 17.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

• • • —

WESTERN ASBESTOS COMPANY, 675 Townsend St., San Francisco, 3, Calif., has recently issued a very attractive brochure in which are briefly outlined their products and services. It was prepared for their customers, present and potential, as a handy reference to illustrate and describe their complete activities. Clarke E. Wayland, Vice President of the Company, will be glad to send a copy to anyone interested, upon request written on a business letterhead.

"THE STORY OF RUSCO" (Russell Manufacturing Company of Middletown, Conn.,) appeared in the November issue of Brake Service (published at 31 N. Summit Ave., Akron, Ohio.)

THE NICELY CORPORATION, a subsidiary of Johns Manville, announced on November 6th, the consolidation of their office with Johns-Manville Sales Corporation, at 1617 Pennsylvania Boulevard, Philadelphia 3, Pa. They were formerly located at Delaware and Fairmount Avenues.

WILLIAM A. BARTELT, who has been associated with Northwestern Asbestos & Cork Insulation Co., Inc., Manitowoc, Wis., for the past 17 years, (8 years as Secretary and 9 years as vice president) severed his connection with that Company on December 1st. Mr. Bartelt was in full charge of the Company's shipyard work at Sturgeon Bay and Kewaunee, Wis.

THE UNITED STATES RUBBER COMPANY. The Board of Directors has declared a dividend of $2.00 a share on the 8% non-cumulative first preferred stock, from net earnings of the company during the year 1944, making a total of $8 declared on the preferred this year. A dividend of 50 cents a share has been declared on the common stock, making a total of $2 declared on the common this year. Both dividends are payable December 15, 1944, to stockholders of record November 24.

"THE KING ASBESTOS MINE"—Outline of Mining and Milling, by D. C. McLaren, was published in the October 1944 issue of Canadian Mining Journal, (Gardenvale, P. Q., Canada). It is fully illustrated, and also contains a "Composite Flow Sheet of an Asbestos Mine".

RAYBESTOS-MANHATTAN, INC., has recently issued a booklet describing their key personnel and their wartime operations. The title of this 40 page brochure is "People, Products, Performance in War and Postwar Industries." It is profusely illustrated, and is one of a series in the public relations program of the Company.

ASBESTOS CORPORATION LIMITED of Thetford Mines, Canada, has declared regular quarterly dividend of 20c per share, plus a bonus of 10c per share, payable December 30 to stockholders of record, December 1st. This brings total dividend in 1944 to $1.00 a share, compared with $1.30 in 1943, $1.40 in 1942 and $1.20 in 1941 and 1940. There are 600,000 no par value issued shares.

THE RUBEROID CO. Board of Directors have declared a year-end dividend of 80c per share on the capital stock of the Corporation, payable December 22, 1944, to stockholders of record at the close of business on December 8, 1944. Dividends aggregating 44c per share were paid previously this year, making total dividends of $1.25 for 1944, compared with $1.15 for 1943.

THE RUBEROID COMPANY has received the honor of having their 1944 advertising favorably mentioned in the November 17th issue of Printer's Ink. The two page article is illustrated by reproductions of three of Ruberoid's advertisements in technical papers, the 1944 style being compared with that of 1943. The article is titled "An Industrial Series Prepared as if for Consumer Audience".

All the advertisements feature insulation but those used in 1944 are described as more imaginative than those in 1943—so much so that the ads stand out even in the bulky issues of magazines like Power and Marine Engineering where much of the advertising is not near editorial matter.

THE STANDARD ASBESTOS MFG. COMPANY, of Cleveland, Ohio has opened and are now occupying their new and larger warehouse and shop at 1844 East 40th Street. Their former address was 13237 Superior Avenue. The Company will be able to maintain a much larger stock of all types of insulating materials at the new location.

A new department, to be housed at the new location, will soon be in operation. This department will be equipped to handle Keasbey & Mattison Company Ebonized Asbestos Products, including the cutting, drilling, bevelling and spraying of Panels.

Officers of the Standard Asbestos Mfg. Company are: President, R. J. Berry, Cleveland, Ohio; Vice President, M. J. Fitzgerald, Chicago, Ill.; Secretary-Treasurer, P. M. Berry, Cleveland.

REGINALD L. JOHNSON has been appointed Senior Advertising Manager of Johns-Manville. Mr. Johnson will act as Assistant to the Vice President in connection with all activities of the Advertising and Sales Promotion Department.

JOHNS-MANVILLE announce the following appointments: Arthur D. Lierman as Advertising Manager, Consumer Products; Howard T. Bain as Advertising Manager, Industrial Products. William P. Gibbons was named Assistant Advertising Manager, Industrial Products.

CHARLES GOUZEE, 94 Rue Saint-Lazare, Paris (9) France, writes us that his firm is still in existence and that he would like to contact Asbestos Mines in the United States or Canada, which might be looking for a representative for the sale of their products in France. Incidentally letters up to one ounce in weight may now be sent to France from the United States; this may also be the case in Canada.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 10c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Compression Apparatus for Producing Pipe. No. 2,361,933. Granted on November 7, 1944 to John Ferla, Camden, N. J. Application November 20, 1940. Serial No. 366,480.

Apparatus for forming a pipe comprising a mandrel adapted to support a formed tube of asbestos cementitious material, a molding casing surrounding an end portion of the mandrel with a cavity spaced therefrom to form a bell collar on the formed tube and having a reduced portion in position to surround the formed tube adjacent an end thereof to confine the same, a sleeve slidably mounted on the mandrel for movement lengthwise thereof and constructed for entering and expanding said end portion of the tube, a plunger in position to bear against the sleeve to move the same lengthwise of the mandrel, a second plunger surrounding the first mentioned plunger in position to bear against the expanded portion of the pipe to mold the same in the casing and hydraulic power means connected with the plungers.

Friction Materials. No. 2,362,450. Granted on November 14, 1944 to Loring H. Chappel, Bridgeport, Conn., assignor to Raybestos-Manhattan, Passaic, N. J. Application September 16, 1940. Serial No. 356,955.

A process of making a felted fibrous web adaptable for use in forming friction elements which comprises agitating without substantially heating a mixture comprising asbestos fibres, fillers and water to form an aqueous stock suspension having a solids content between about 4 to 14%, the solids content and extent of agitation of said stock being such as to produce a suspension in which the fibres are clotted, flowing the agitated but substantially unbeaten stock suspension onto the top of an

CAROLINA ASBESTOS COMPANY

CUSTOM MANUFACTURERS
OF
ASBESTOS TEXTILE PRODUCTS

CAROLINA ASBESTOS TEXTILES

ARE COMPLETELY ENGINEERED FOR MODERN REQUIREMENTS IN THE MANUFACTURE OF SAFETY-CLOTHING, ELECTRICAL HEATER-CORDS, DRYER-FELTS, PLASTICS AND MANY OTHER PRODUCTS REQUIRING THE USE OF ASBESTOS TEXTILES.

ASBESTOS YARN — CORD — CLOTH
ASBESTOS ROVING — TUBING — WICKING
ASBESTOS CARDED FIBRES — LISTING TAPES
OIL BURNER WICKING

CAROLINA ASBESTOS COMPANY

EXECUTIVE OFFICES:
DAVIDSON, N. C.

FACTORIES:
DAVIDSON, N. C.
MARSHVILLE, N. C.

endless travelling felt blanket to form a layer of stock thereon, carrying said suspension freely thruout the travel on said blanket and in the absence of surface modification treatment to cause the formation of a web having an uneven and lumpy surface, subjecting said web while carried on said blanket to suction to remove a pre-determined amount of moisture from the web without materially affecting the uneven or lumpy character of the web surface, winding said web upon a makeup roll and thereat initially applying rolling pressure to said web during the winding portion to form a substantial non-laminar composite web of pre-determined thickness and stripping said composite web from said makeup roll.

Sound Deadening Bituminous Cement. No. 2,362,839. Granted on November 14, 1944 to Henri M. Marc, Cincinnati, Ohio. Assignor to the Philip Carey Mfg. Company. Application August 2, 1940. Serial No. 350,100.

A sound-deadening coating composition comprising about 20% to 35% by weight of a blend of two airblown asphalts, one of said asphalts being an airblown, highly refined but uncracked petroleum residuum having a softening point of about 200° F., about 35% to 55% of a mixture of fine asbestos fibre and fine granular material, the ratio by weight of asbestos fibre to granular material being in the range from 1.2 to 4.0 and a petroleum solvent.

PUBLICATIONS AVAILABLE

Asbestos Mining Methods. (Reprint)—25c per copy; discount in quantities of 50 or more. Available January 15.

The Asbestos Factbook (2nd Edition)—Much information about asbestos, in compact form—10c per copy.

Canadian Chrysotile Asbestos Classification (reprint)—25c per copy, or 15c ea. in quantities of 10 or more.

Twelve Estimating Tables with Chart. Convenient in figuring flange fittings and other areas—$1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks)—30c per copy postpaid.

Processing Asbestos Fibres (Reprint)—of interest to textile plant superintendents or foremen—25c per copy.

Tests for Cotton Content (Reprint from May 1944 "ASBESTOS".) 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. Reprinted from Page 27, February 1944 "ASBESTOS". 20c each

Asbestos: The Magic Mineral, by Lilian Holmes Strack. Especially interesting to school children—$1.00 per copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia, 30, Pa.

THIS and THAT

The American Chamber of Commerce in Paris was one of the few American establishments that remained open during the German occupation, which has been found undamaged.

. . . —

The new streamlined minesweepers—"the biggest little ships in the Navy"—have Carey 85% Magnesia Heat Insulation on the *two miles* of piping on each boat, according to The Carey Clearing House, September issue.

. . . —

Reports were filed with government agencies by Johns-Manville during 1943 at the rate of one every two minutes, during every regular business hour of the year, or a total of 71,588. The cost to the company was $146,000 (for 97,452 manhours of work.)

. . . —

Net sales billed by the General Electric Company for the first nine months of 1944 amounted to $1,036,375. compared with $980,226,836 for the same period in 1943.

. . . —

CURRENT RANGE OF PRICE

As of December 10, 1944

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)		
Group No. 1 (Crude No. 1)	$650.00	to	$750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00	to	385.00
Group No. 3 (Spinning or Textile Fibre)	124.00	to	233.50
Group No. 4 (Shingle Fibre)	62.50	to	82.50
Group No. 5 (Paper Fibre)	44.00	to	49.50
Group No. 6 (Waste, Stucco or Plaster)	33.00	to	34.00
Group No. 7 (Refuse or Shorts)	14.50	to	29.50

Vermont—	Per Ton (2000 lbs.) f.o.b. Hyde Park, Vt.		
Shingle Stock Fibres	$62.50	to	$65.50
Paper Stock Fibres	44.00	to	54.00
Waste			33.00
Shorts	14.50	to	28.50
Floats			19.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off grade material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		November 1944		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	41¾	44½	43⅝
Asbestos Corp. (Com)	np	20¾	22	22
Celotex (Com.)	np	12¾	14	14
Celotex (Pfd.)	20	18	19⅛	19⅛
Certainteed (Com.)	1	7	7¾	7¼
Certainteed (Pfd.)	100	123½	133½	131½
Flintkote (Com.)	np	21¼	23⅛	22¼
Flintkote (Pfd.)	np	108	113	109
Johns-Manville (Com.)	np	96	98⅞	98
Raybestos-Manhattan (Com.)	np	30¾	33	33
Ruberoid (Com.)	np	31⅝	33¾	33¾
Thermoid (Com.)	1	8¼	9	9
Thermoid (Pfd.)	10	48	50	49⅞
U. S. Gypsum (Com.)	20	73½	77½	77¼
U. S. Gypsum (Pfd.)	100	178	186	186
U. S. Rubber (Com.)	10	46⅝	49⅞	49¼
U. S. Rubber (Pfd.)	100	146½	149¾	147½

TOPICAL INDEX

"ASBESTOS" - - For the Year 1944

Analyses

Dec. 1944—10 Chile's Asbestos Deposits

Arizona

Nov. 1944—34 Mining Journal Article (Reference)

Asbestos—Cement Products

Jan. 1944—16 Asbestos-Cement Pipe Coating
Jan. 1944—32 How Long will an Asbestos-Cement Roof Last?
Sept. 1944—16 Corrugated for Light Directional Surfacing
Sept. 1944—18 Wood Rots; Corrugated Does Not

Asbestos in Various Industries

Jan. 1944—12 Plastics
July 1944— 6 Catalytic Cracking

Biographies

May 1944— 2 C. J. Stover
Sept. 1944— 2 C. V. Smith
Oct. 1944—32 Dwight L. Armstrong
Oct. 1944—34 S. R. Zimmerman
Nov. 1944—32 James S. Doyle

Cloth or Clothing

Mar. 1944—14 Gypsy Pot of Asbestos Cloth
May 1944—18 New Textile Combines Asbestos and Glass

Insulation

Mar. 1944—18 Insidline—Internally Insulated Pipe

Mining Asbestos

Sept. 1944— 3 Asbestos Mining Methods (Part I)
Oct. 1944— 3 Asbestos Mining Methods (Part II)
Nov. 1944— 3 Asbestos Mining Methods (Part III)

Service Tales

Jan. 1944—14 Uninsulated Pipes Cause Fires
Sept. 1944—12 Asbestos Blanket Stops Fire
Dec. 1944—12 Asbestos Covered Power Cables

Tables for Contractors

May 1944—31 Areas for 150 lb. Flanges
June 1944—25 Areas for 300 lb. Flanges
July 1944—26 Areas for 400 lb. Flanges
Sept. 1944—29 Areas for 600 lb. Flanges
Oct. 1944—29 Areas for 900 lb. Flanges
Dec. 1944—27 Areas 150 lb. Series Valves

Tests

Mar. 1944—12 Supersonic Vibrations
May 1944—12 Tests for Cotton Content

Textiles (General)

May	1944—18	New Textile Combines Asbestos and Glass

Uses—Odd

Jan.	1944—20	Baffle Plates in Food Dehydrator
Jan.	1944—20	Asbestos Cement Board for Ratproof Bins
Jan.	1944—20	Asbestos Blankets to Warm Up Airplane Motors
Jan.	1944—20	Lining Paperboard Ducts
Jan.	1944—20	Asbestos Wick at laps of Corrugated Roofs
Jan.	1944—20	Filler in Compregnated Wood
Mar.	1944—14	Gypsy Pot of Asbestos Cloth
Apr.	1944—18	Furnace Hopper of Asbestos Board
July	1944— 4	Shelter on LCR Boats
Sept.	1944—16	Corrugated for Light Directional Surfacing
Sept.	1944—18	Growing Benches in Greenhouses
Nov.	1944—16	Shelves in Ovens
Dec.	1944—29	Plastic Coating for Crankcases, motors, etc.

Various Asbestos Products

Mar.	1944—14	Gypsy Pot of Asb. Cloth
Mar.	1944—18	Insidline (Internally Insulated Pipe)
Apr.	1944—37	Uniseal
Oct.	1944—12	Raybestos "1492" Brake Block
Oct.	1944—36	Stonoleum
Nov.	1944—14	Inconel—A New J-M Packing
Dec.	1944—29	Motorcote

Various Locations of Asbestos

May	1944—10	Mongolia
Aug.	1944—39	Newfoundland
Sept.	1944— 8	Venezuela
Dec.	1944—10	Chile

WANTED

First-class man for sales and engineering work in Insulation Sales and Construction work. Prefer engineering graduate, age 35-45, with at least six years' experience. Fine salary. Position vacant. Reply by letter stating experience and salary expected and availability. Also be prepared to give references. Address Box 12W-F, "ASBESTOS" 17th Floor, Inquirer Bldg., Phila., 30, Pa.

TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR
425 Fourth Avenue, New York City

ASBESTOS RM TEXTILES

ENTHUSIASM

WE AMERICANS THRIVE ON ENTHUSIASM. OUR PROGRESS IN ALL THINGS HAS COME FROM FOLLOWING OUR AMBITIONS, OUR ASPIRATIONS AND OUR IDEALS IN OUR OWN, UNHAMPERED WAY. WE INSIST ON THIS FREEDOM. WE HAVE FOUGHT FOR IT. WE ARE AGAIN FIGHTING FOR IT WITH A ZEALOUS MANPOWER AND AN AMAZING PRODUCTIVE INGENUITY THAT ONLY AN ENTHUSIASTIC PEOPLE CAN DEMONSTRATE. TODAY, WITH THE ASBESTOS PRODUCTS OF **RAYBESTOS-MANHATTAN** MEETING A VARIED WAR-TIME NEED, WE ARE LOOKING AHEAD TO A TIME WHEN THESE SAME PRODUCTS WILL MEET A WIDE DEMAND AS AMERICAN ENTHUSIASM DIRECTS ITSELF TOWARD BUILDING A BETTER POST-WAR WORLD.

RAYBESTOS-MANHATTAN, INC.
INDUSTRIAL SALES DIVISION
FACTORIES
BRIDGEPORT, CONN. NO. CHARLESTON, S. C.
MANHEIM, PA. PASSAIC, N. J.

SOUTHERN ASBESTOS COMPANY

Asbestos Textile Products since 1919

A Complete Line of Products

The facilities of our sales and research organization are at the disposal of any manufacturer who has a problem to solve which involves the use of fabricated asbestos.

★

SOUTHERN ASBESTOS COMPANY • CHARLOTTE, N.C.